Long Neurotoxin 1 (ALPHA-EPTX-DPP2A) Dendroaspis Polylepis Polylepis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Long neurotoxin 1 (Alpha-EPTX-Dpp2a), Recombinant Protein
Full Product Name	Recombinant Dendroaspis polylepis polylepis Long neurotoxin 1
Product Gene Name	Alpha-EPTX-Dpp2a recombinant protein
Sequence	RTCNKTFSDQ SKICPPGENI CYTKTWCDAW CSQRGKRVEL GCAATCPKVK AGVEIKCCST DDCDKFQFGK PR
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	8,043 Da
Sequence Positions	1-72, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for P01396
Species	Dendroaspis polylepis polylepis (Black mamba)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Alpha-EPTX-Dpp2a recombinant protein	MBS1198596 is a recombinant protein targeting Alpha-EPTX-Dpp2a. Also known as Recombinant Dendroaspis polylepis polylepis Long neurotoxin 1. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Alpha-EPTX-Dpp2a recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Alpha-EPTX-Dpp2a. It may not necessarily be applicable to this product.

NCBI GI #	128925
NCBI Accession #	P01396.1
UniProt Primary Accession #	P01396
NCBI Official Full Name	Alpha-elapitoxin-Dpp2a
UniProt Protein Name	Alpha-elapitoxin-Dpp2a
UniProt Synonym Protein Names	Long neurotoxin 1; Neurotoxin gamma; Toxin VN1
Protein Family	Long neurotoxin

UniProt Gene Name	Alpha-EPTX-Dpp2a
UniProt Synonym Gene Names	Alpha-EPTX-Dpp2a
UniProt Comments for Alpha-EPTX-Dpp2a	Binds with high affinity to muscular (alpha-1/CHRNA1) and neuronal (alpha-7/CHRNA7) nicotinic acetylcholine receptor (nAChR) and inhibits acetylcholine from binding to the receptor, thereby impairing neuromuscular and neuronal transmission.
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